ALAMO COLLEGES
Westside Education and Training Center
563 SW 40th Street San Antonio, Texas 78237 210- 485-0240 Fax: 210-485-0258

July 14, 2011

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Comment Deadlines Established Regarding the LightSquared Technical Working Group Report, IB Docket No. 11-109

Dear Ms. Dortch:

I urge you to support LightSquared's efforts to launch their nationwide 4G-LTE broadband wireless network. This network represents a real and fiscally responsible opportunity to increase a critical goal of our National Broadband Plan; increase broadband wireless spectrum.

Their planned combined satellite-terrestrial network will greatly increase access to wireless broadband for the 26 million Americans who currently are underserved specifically rural areas and minority communities. The company has a long-standing history of providing satellite communications to the public safety and homeland security community. This new network will have the ability to reach remote areas with a seamless secure connection that will benefit first responders, healthcare workers and emergency response personnel.

Their wholesale provider model will allow regional and local wireless companies to offer "big three service" and foster competition in the wireless market. This competition brings innovation, forces an emphasis on customer service and lower prices. In addition, it will bring much-needed investment in the U.S. economy, with the expected creation of 15,000 jobs a year during its construction.

I have heard about the potential for interference with GPS devices. It is a serious issue that the your commission is addressing but LightSquared's proposal to launch operations only in the lower 10 Megahertz of its licensed spectrum will take care of more than 99% of GPS receivers. Our urgent need for expanded wireless broadband capacity demands that the GPS industry make the necessary adjustments to its receivers to fix the remaining 1%.

I believe that the GPS community has had eight years to prepare for the day of expanded need for wireless broadband spectrum. We cannot wait for the GPS industry's to fix the 1% that will help 95% of all Americans have high-speed broadband internet access.

Sincerely,

Manuel Diaz Garza

Manuel Diaz Garza
Westside Education and Training Center
Chairman, Advisory Board of Directors

WESTSIDE AARP

July 14, 2011

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Comment Deadlines Established Regarding the LightSquared Technical Working Group Report, IB Docket No. 11-109

Dear Ms. Dortch:

Please support LightSquared's efforts to launch a nationwide 4G-LTE broadband wireless network. This network represents a rare opportunity to increase the amount of spectrum assigned to broadband wireless, a crucial goal of our National Broadband Plan.

LightSquared's integrated satellite-terrestrial network will greatly increase access to wireless broadband for the 26 million Americans who lack it, particularly in rural areas. The company is a long-standing satellite communications provider to the public safety and homeland security community, and the new network's ability to reach remote areas and provide seamless secure connectivity will be of great benefit to first responders, healthcare workers and emergency response personnel.

As a wholesale provider, LightSquared will allow smaller wireless providers to offer world-class service and also enable many new competitors to enter the wireless market. Competition brings innovation, greater customer choice and lower prices. LightSquared's network also will bring much-needed investment in the U.S. economy, creating 15,000 jobs a year during its buildout.

Without question, the potential for interference with GPS devices is a serious issue that the FCC must address but LightSquared's proposal to launch operations only in the lower 10 MegaHertz of its licensed spectrum will take care of more than 99% of GPS receivers. Given the United States' urgent need for expanded wireless broadband capacity, it seems that the next step is for the GPS industry to make the necessary adjustments to its receivers to fix the remaining 1%.

The GPS community has had eight years to prepare for this day. The American people should not need to wait further – and certainly not indefinitely – to accommodate the GPS industry's procrastination.

Sincerely,

Lauro De Leon
622 Acuna
San Antonio, Texas 78237

11-109

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a person who has worked in the Survey Profession for over 25 years, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

James Rahochik
Senior Survey Technician
Hagerstown, Maryland

11-109

Kerry Veach
4442 Windward Lane Cove
Niceville, FL 32578-4335

July 18, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

Dear Sir
I am very concerned about this GPS system. I am an avid fisherman and a Lifetime Memeber of CCA. I am also retired from the U.S. Coast Guard and was a big part of the switch over from LL Loran to the GPS system. As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.
Please take a look into this and make the right choice for all of us that depend on it for our Navigation.

Sincerely,

Kerry Veach
850-259-2341

RE/MAX
Southern Realty
34894 Emerald Coast Parkway
Destin, FL 32541
Office: (850) 837-1880
Fax: (850) 837-8724

Nathan Slemmer
3987 Missouri Flat Road
Placerville, CA 95667-5252

July 12, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

Sincerely,

Nathan Slemmer

LC&L

Loftin, Cain & LeBlanc, LLC

ATTORNEYS AT LAW

July 18, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

Sincerely,

Billy E. Loftin, Jr.
337-310-4300

113 Dr. Michael DeBakey Dr. • Lake Charles, Louisiana 70601 • Ph: 337.310.4300 • Fax: 337.310.4400
www.lcllegal.com

robert cioffi
2 lace circle
cranston, RI 02921-3545

July 12, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

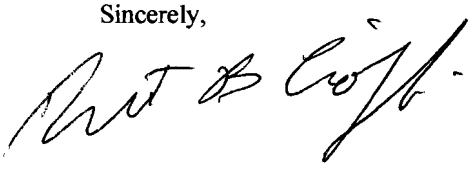
Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

Sincerely,



robert cioffi

Carol Ott
641 NE Harbour Drive
Boca Raton, FL 33431-6924

July 14, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Recently, my son and I had a mechanical problem that left us stranded in our boat 15 miles offshore in the Atlantic Ocean drifting north in a strong current. Because of our marine radio and GPS coordinates, we were able to pinpoint and update our location to a rescue boat and be towed back home without any serious consequences to our lives or property. I shudder to think of our fate without the use of GPS electronics!

We are both commercial and recreational boaters. In 2010 alone, 122 million GPS units were sold. Retrofitting legacy units to accommodate LightSquared's needs is not feasible, especially in the atmosphere created by the current economy. LightSquared must not be considered as is has been shown to cause harmful interference to existing GPS users.

Last year, the federal government shut down the Loran navigation system, making recreational and commercial mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily business and outings in so many ways, and we look to the FCC to protect the integrity of the GPS signal.

Thanking you in advance for your consideration in keeping this important GPS navigation system in tact.

Sincerely,

Carol Ott

Carol Ott

11-109

McCRONE

•Engineering
•Environmental Sciences
•Construction Services
•Land Planning & Surveying

July 19, 2011
Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Property Line Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc.

McCrone, Inc. • 119 Naylor Mill Road • Building 1, Suite 6 • Salisbury, Maryland 21801
410-548-1492 • Fax 410-548-2055
www.mccrone-inc.com • E-Mail: salisbury@mccrone-inc.com
a subsidiary of Design Teams, Inc.

GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

Mark C. Benzin

Allan Vanderheyden
117 Pendula Ct
West Chester, PA 19380-7301

July 13, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

I am an avid sailor that has found the use of GPS to be vital in ensuring safe navigation for me, family, friends and others in US waters. As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

Sincerely,

Allan Vanderheyden
6103633096

Leonard Shearer
3029 Halsey Ave
Arcadia, CA 91006-5818

July 13, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

Dear Sirs as you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

The use of GPS global positioning helps keep my family and friends safe.

Sincerely,

Leonard Shearer

DICARLO
PRECISION INSTRUMENT INCORPORATED

11-109

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

July 20, 2011

Dear Chairman Genachowski:

I am the president of DiCarlo Precision Instrument, Inc. and we sell high accuracy GPS equipment to Land Surveyors, Site-work Contractors, in Maryland, Delaware and Pennsylvania. I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, GPS equipment manufacturers, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Delaware and Maryland, but also for the United States as a whole. I urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

John J. DiCarlo
President

2006 Northwood Drive, Salisbury, Maryland 21801 • Ph: 410.749.0112 • Fax: 410.749.9323 • www.dicarlo1.com

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
124 Gaither Drive, Suite 150, Mt. Laurel, NJ 08054
856-235-7200 phone 856-722-9250 fax
www.taylorwiseman.com

11-109 July 19, 2011

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in Maryland, #10996, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is absolutely no risk of interference.

Sincerely,

Donald L. MacKay

11-109

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

John Houwen
NJPLS No. 33105
Chief of Survey
B&B Hi-Tech Solutions, LLC
409 Bloomfield Drive, Suite 3
West Berlin, New Jersey 08091

TEL (856) 719-1911
FAX (856) 719-8877

Sugar Creek Police Department
1001 Heroes Way
Sugar Creek, MO 64054

Herbert M. Soule
Chief of Police

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

July 12, 2011

Re: LightSquared Subsidiary LLC Request for Modification of its Authority for an Ancillary Terrestrial Component; SAT-MOD-20101118-00239

Dear Secretary Dortch:

It has come to my attention that a wireless company called LightSquared is currently working with the Federal Communications Commission (FCC) and key stakeholders to launch a new 4G-LTE wireless communications and data network. I want to add my voice in support of LightSquared and the FCC's process to allow for this new important new wireless service.

LightSquared's network would utilize both traditional cell phone towers and satellite communications, which is very attractive to first responders and law enforcement officials like me. I am always looking for communication technologies that can function reliably, even in the case of natural disasters, terrorist attacks or other emergencies. Instant communications are critical to my department and our ability to protect residents.

I understand there is some concern regarding interference between LightSquared's signals and GPS signals. I am confident, however, that the experts at the FCC, along with key stakeholders participating in the review, can develop workable solutions to allow both technologies to work effectively. Law enforcement needs every tool at its disposal and I sincerely hope the FCC can move quickly to make those tools available to us.

Sincerely,

Chief Herb Soule
Sugar Creek Police Department
816-252-7058
Fax 816-461-3493
E-Mail hsoule@sugar-creek.mo.us